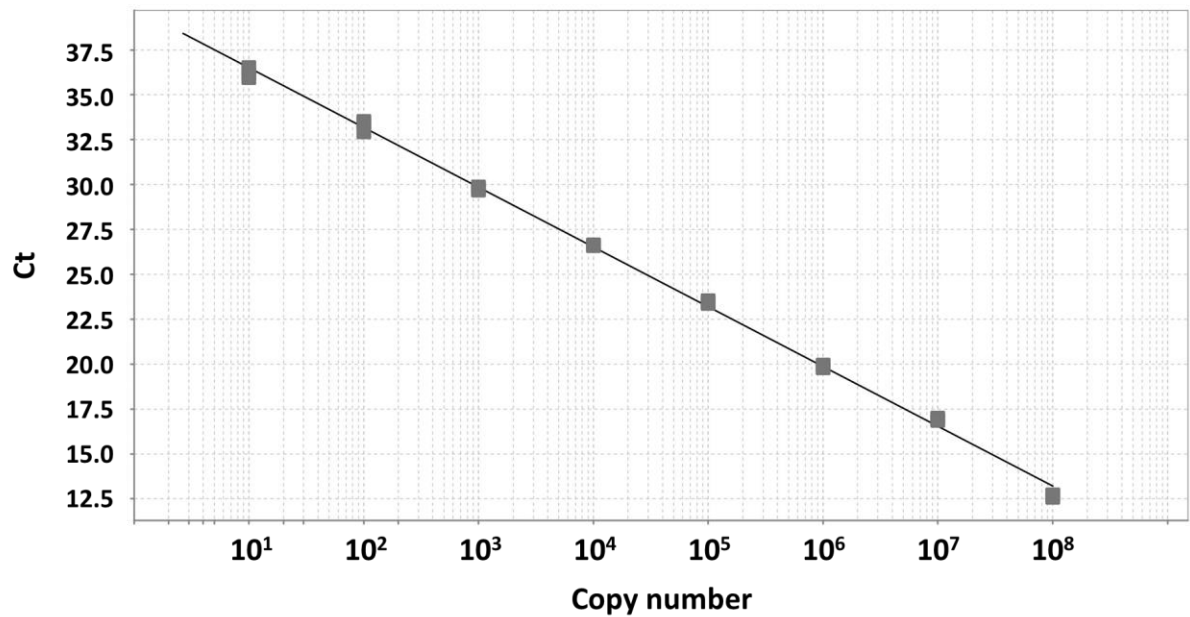
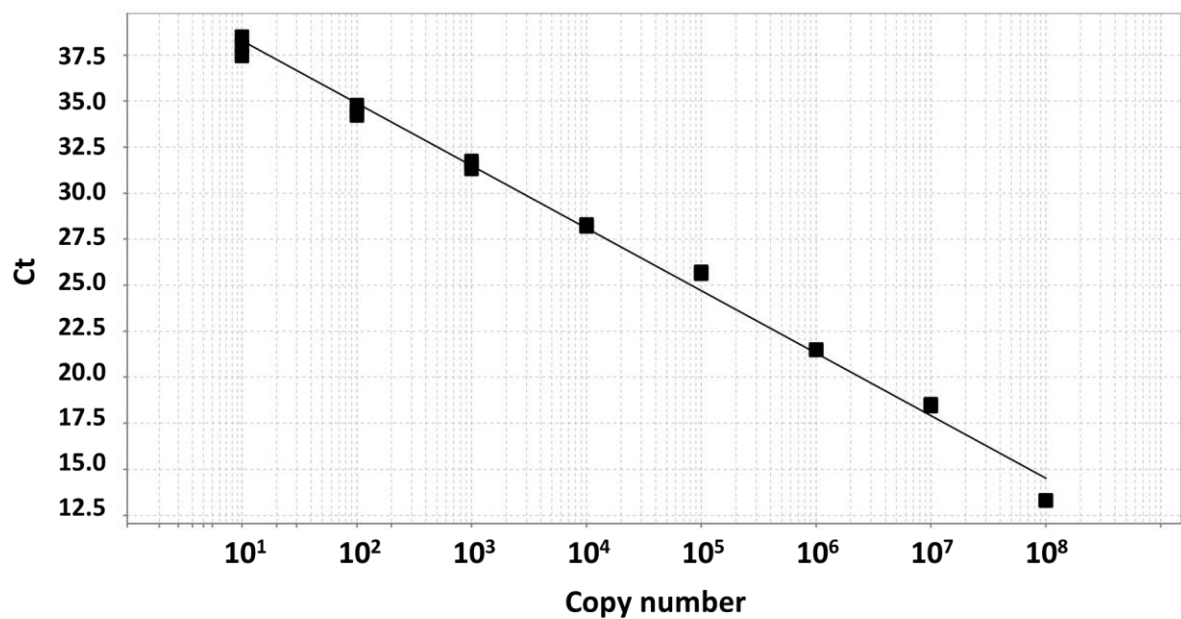


**A.**



**B.**



**Supplementary figure S1:** Standard curve analyses for modified E and sgRNA assays. Ct = crossing point, and is given on the Y axis. Absolute copy number is given on the X axis. Triplicate data points are plotted for each dilution. Standard curves are composed of 1:10 serial dilutions of a synthetic standard consisting of either E gene or sgRNA sequences.

## Supplementary file S1

The sequences of the synthetic oligonucleotides used for quantification are given here. Primer sequences are underlined, probe sequences given in bold.

### E gene synthetic oligonucleotide standard:

5'gcattgtagagacaggtacgtaataagtaatagcgtactagtt**acactagccatccttactgcgcttcgattgtgtgcgtactgctgcaatatg**  
ttaac-3'

### sgRNA synthetic oligonucleotide standard

5'gcattgtcgatctctttagatctgttctctaatttgctagtt**acactagccatccttactgcgcttcgattgtgtgcgtactgctgcaatatg**ta  
ac-3'